Title: Storage Box Alarm
Inventor(s): Kurple, et al.
Appln. No.   To be assigned
Docket #   45251/46700
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Figure 1

Figure 2

Title: Storage Box Alarm
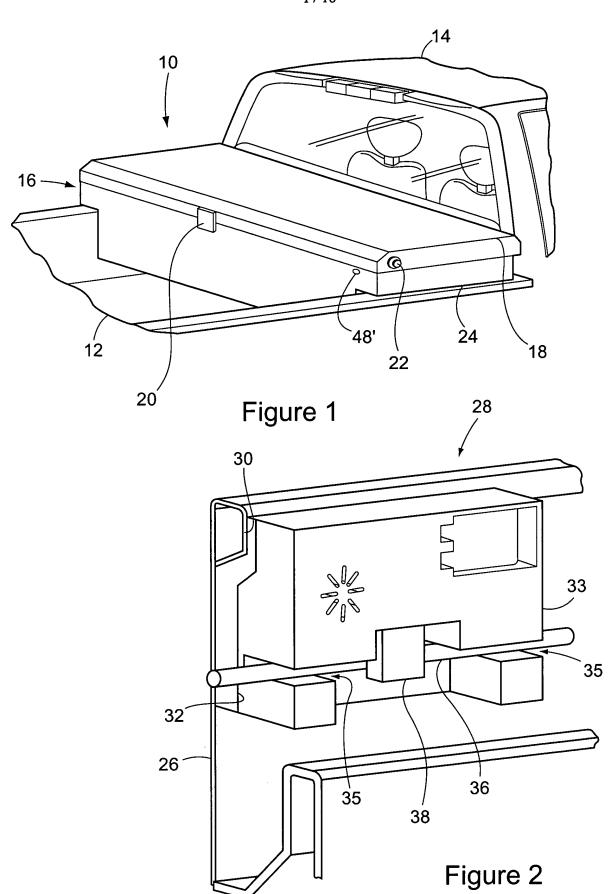Inventor(s):   Kurple, et al.
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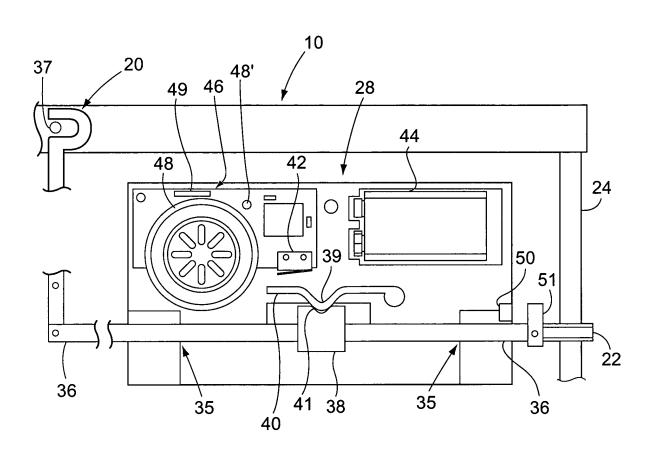   2 / 10
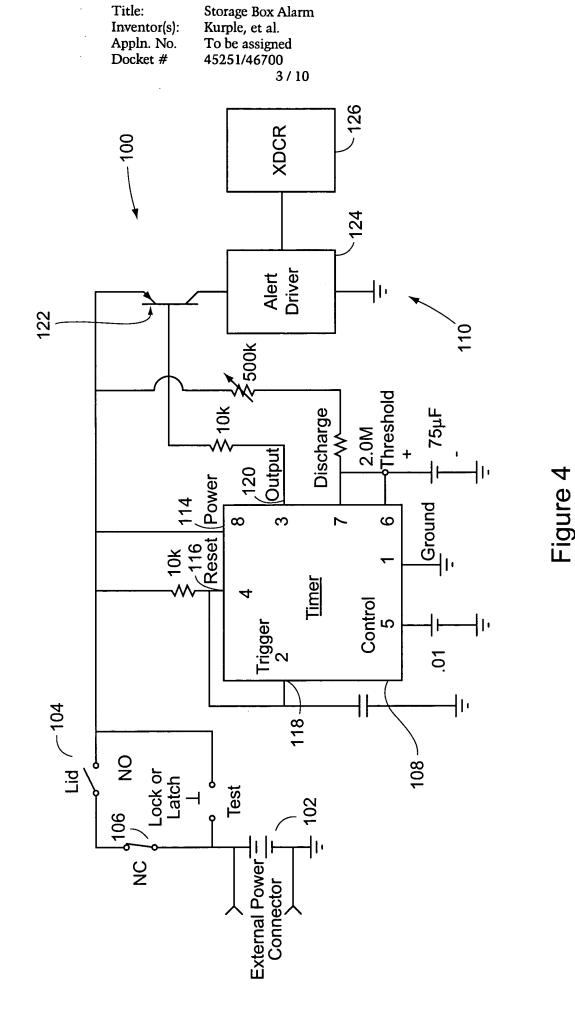
Figure 3

Title: Storage Box Alarm
Inventor(s):   Kurple, et al.
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Figure 4

Title: Storage Box Alarm
Inventor(s): Kurple, et al.
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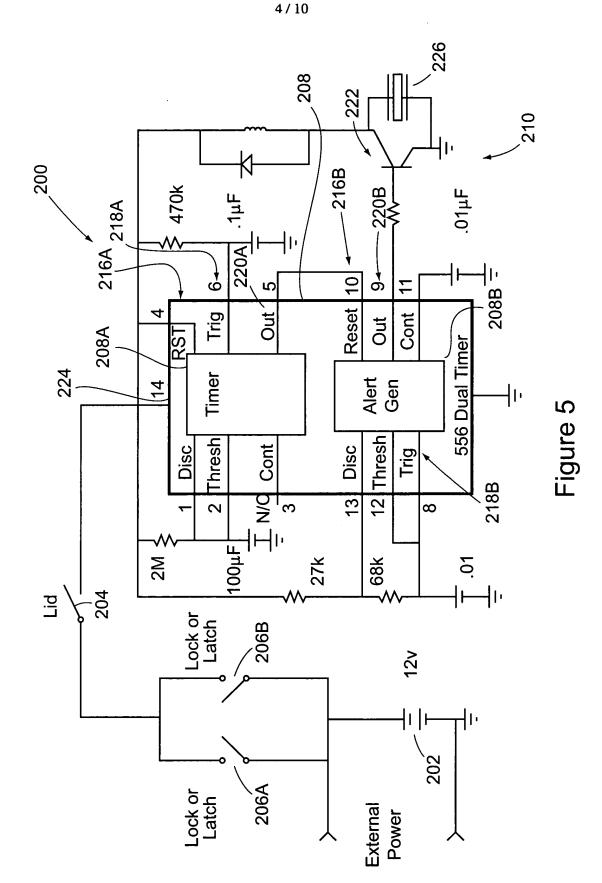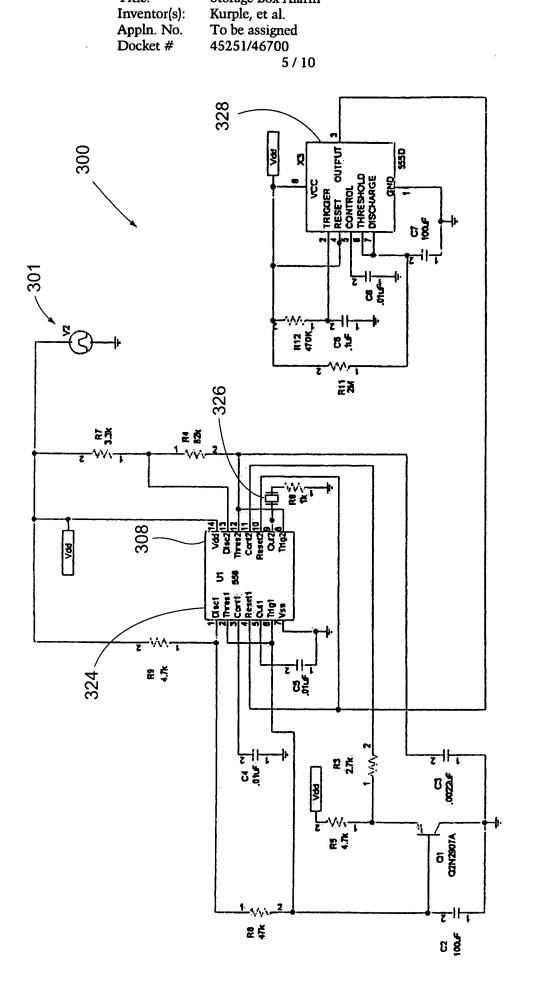   4 / 10

Figure 5

Title: Storage Box Alarm
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Figure 6

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Figure 7

Title: Storage Box Alarm
Inventor(s): Kurple, et al.
Appln. No.   To be assigned
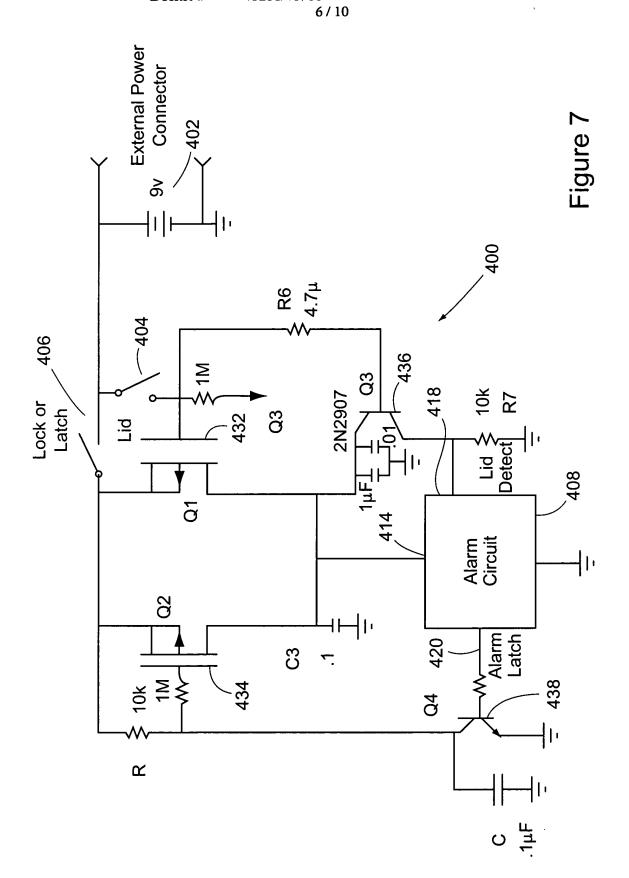Docket #   45251/46700
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Figure 8

Title: Storage Box Alarm
Inventor(s): Kurple, et al.
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Figure 9

Title: Storage Box Alarm
Inventor(s): Kurple, et al.
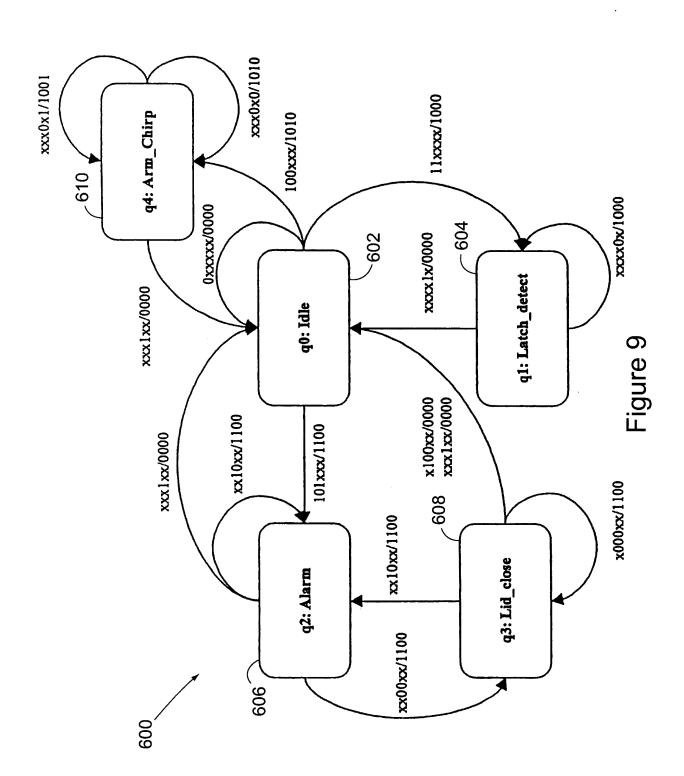Appln. No. To be assigned
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Current State	Inputs						Next State	Outputs			
q_n	PWR	Latch_Det	Lid_Det	Alert_Timer	Latch_timer	Lo_Batt	q_{n+1}	Pwr_On	Alert	Chirp	Lo_Batt
q0 Quiescent Power_Down	0	x	x	x	x	x	q0	0	0	0	0
	1	0	0	x	x	x	q4	1	0	1	0
	1	0	1	x	x	x	q2	1	1	0	0
	1	1	x	x	x	x	q1	1	0	0	0
q1 Latch_detect	x	x	x	x	0	x	q1	1	0	0	0
	x	x	x	x	1	x	q0	0	0	0	0
q2 Alarm	x	x	0	0	x	x	q3	1	1	0	0
	x	x	1	0	x	x	q2	1	0	0	0
	x	x	x	1	x	x	q0	0	0	0	0
q3 Lid_close_Det	x	0	0	0	x	x	q3	1	1	0	0
	x	1	0	0	x	x	q2	0	0	0	0
	x	x	1	0	x	x	q2	1	1	0	0
	x	x	x	1	x	x	q0	0	0	0	0
q4 Arming_Chirp	x	x	x	0	x	0	q4	1	0	1	0
	x	x	x	0	x	1	q4	1	0	0	1
	x	x	x	1	x	x	q0	1	0	0	0

Figure 10

Title: Storage Box Alarm
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Figure 11